

09764163-011601

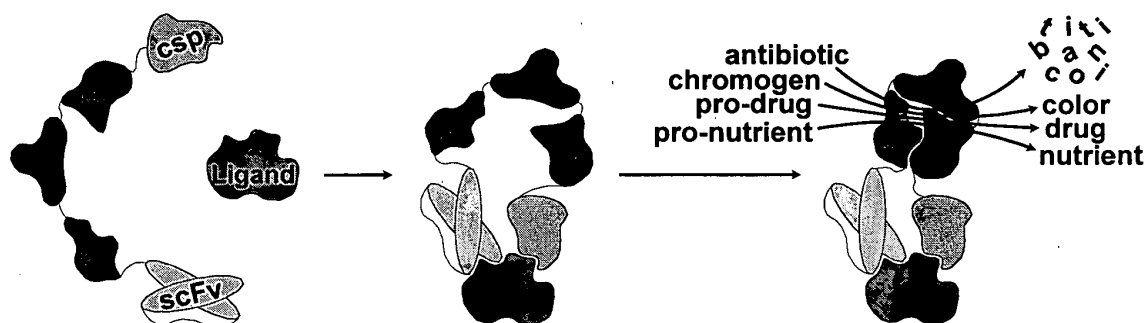


Figure 1A

09764163.011601

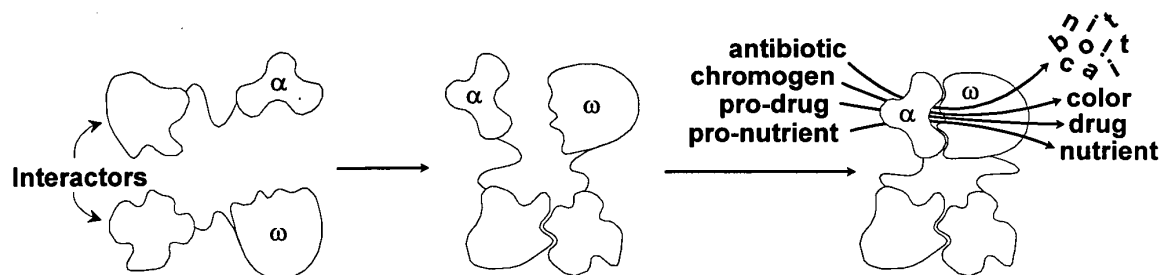


Figure 1B

76 cac cca gaa acg ctg gtg aaa gta aaa gat gct gaa gat cag ttg ggt
 26 H P E T L V K V K D A E D Q L G

124 gca cga gtg ggt tac atc gaa ctg gat ctc aac agc ggt aag atc ctt
 42 A R V G Y I E L D L N S G K I L

172 gag agt ttt cgc ccc gaa gaa cgt ttt cca atg atg agc act ttt aaa
 58 E S F R P E E R F P M M S T F K

220 gtt ctg cta tgt ggc gcg gta tta tcc cgt att gac gcc ggg caa gag
 74 V L L C G A V L S R I D A G Q E

268 caa ctc ggt cgc cgc ata cac tat tct cag aat gac ttg gtt gag tac
 90 Q L G R R I H Y S Q N D L V E Y

316 tca cca gtc aca gaa aag cat ctt acg gat ggc atg aca gta aga gaa
 106 S P V T E K H L T D G M T V R E

364 tta tgc agt gct gcc ata acc atg agt gat aac act gcg gcc aac tta
 122 L C S A A I T M S D N T A A N L

412 ctt ctg aca acg atc gga gga ccg aag gag cta acc gct ttt ttg cac
 138 L L T T I G G P K E L T A F L H

460 aac atg ggg gat cat gta act cgc ctt gat cgt tgg gaa ccg gag ctg
 154 N M G D H V T R L D R W E P E L

508 aat gaa gcc ata cca aac gac gag cgt gac acc acg atg cct gta gca
 170 N E A I P N D E R D T T M P V A

556 atg gca aca acg ttg cgc aaa cta tta act ggc gaa cta ctt act cta
 186 M A T T L R K L L T G E L L T L

604 gct tcc ccg caa caa tta ata gac tgg atg gag gcg gat aaa gtt gca
 202 A S R Q Q L I D W M E A D K V A

652 gga cca ctt ctg cgc tcg gcc ctt ccg gct ggc tgg ttt att gct gat
 218 G P L L R S A L P A G W F I A D

700 aaa tct gga gcc ggt gag cgt ggg tct cgc ggt atc att gca gca ctg
 234 K S G A G E R G S R G I I A A L

748 ggg cca gat ggt aag ccc tcc cgt atc gta gtt atc tac acg acg ggg
 250 G P D G K P S R I V V I Y T T G

796 agt cag gca act atg gat gaa cga aat aga cag atc gct gag ata ggt
 266 S Q A T M D E R N R Q I A E I G

844 gcc tca ctg att aag cat tgg
 282 A S L I K H W

Figure 2

4/13

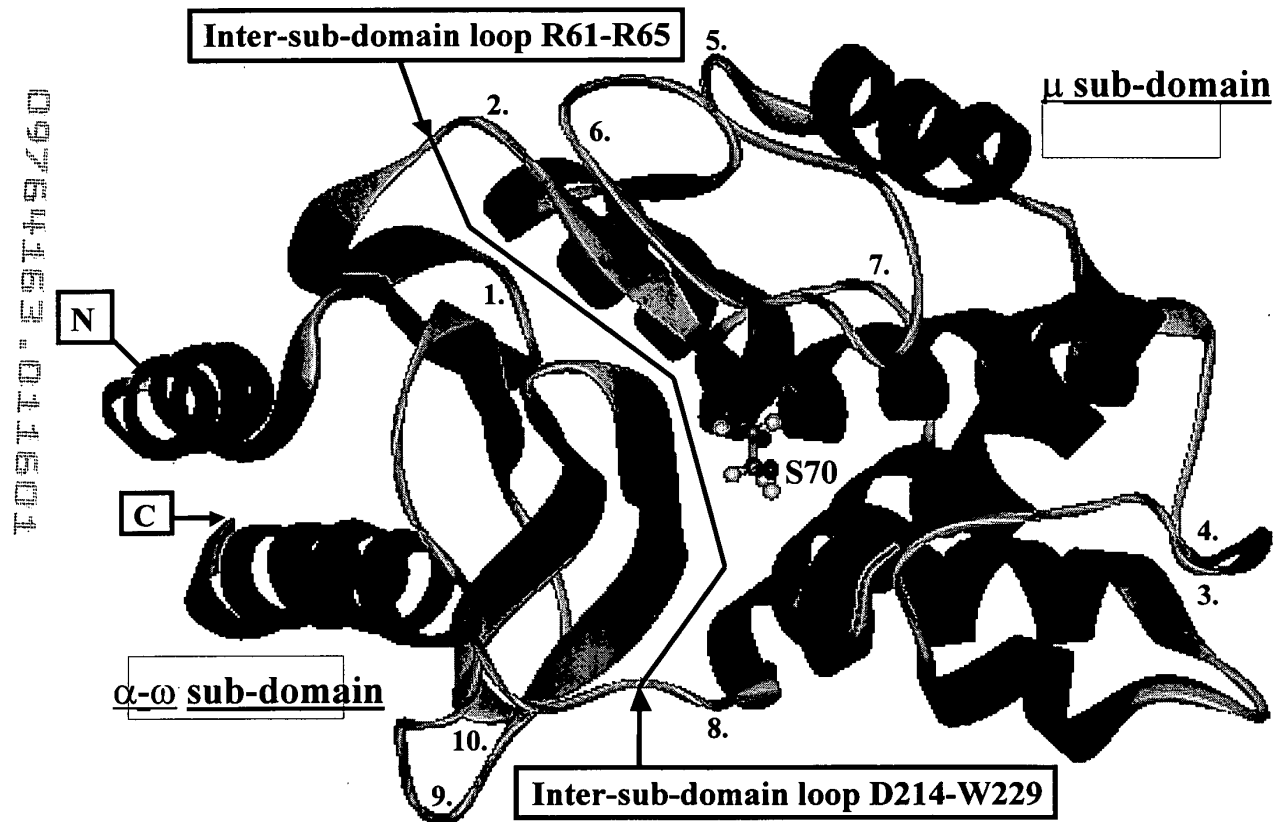


Figure 3

09764163-011604

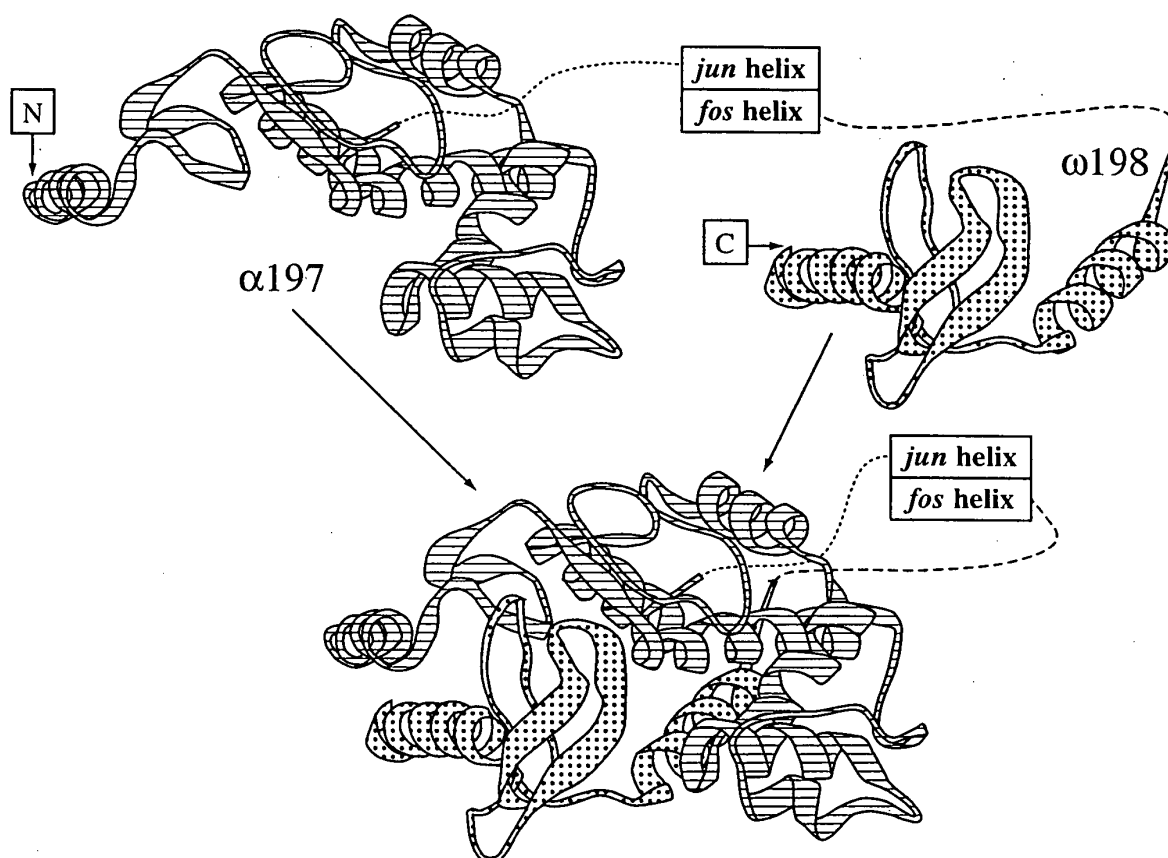


Figure 4

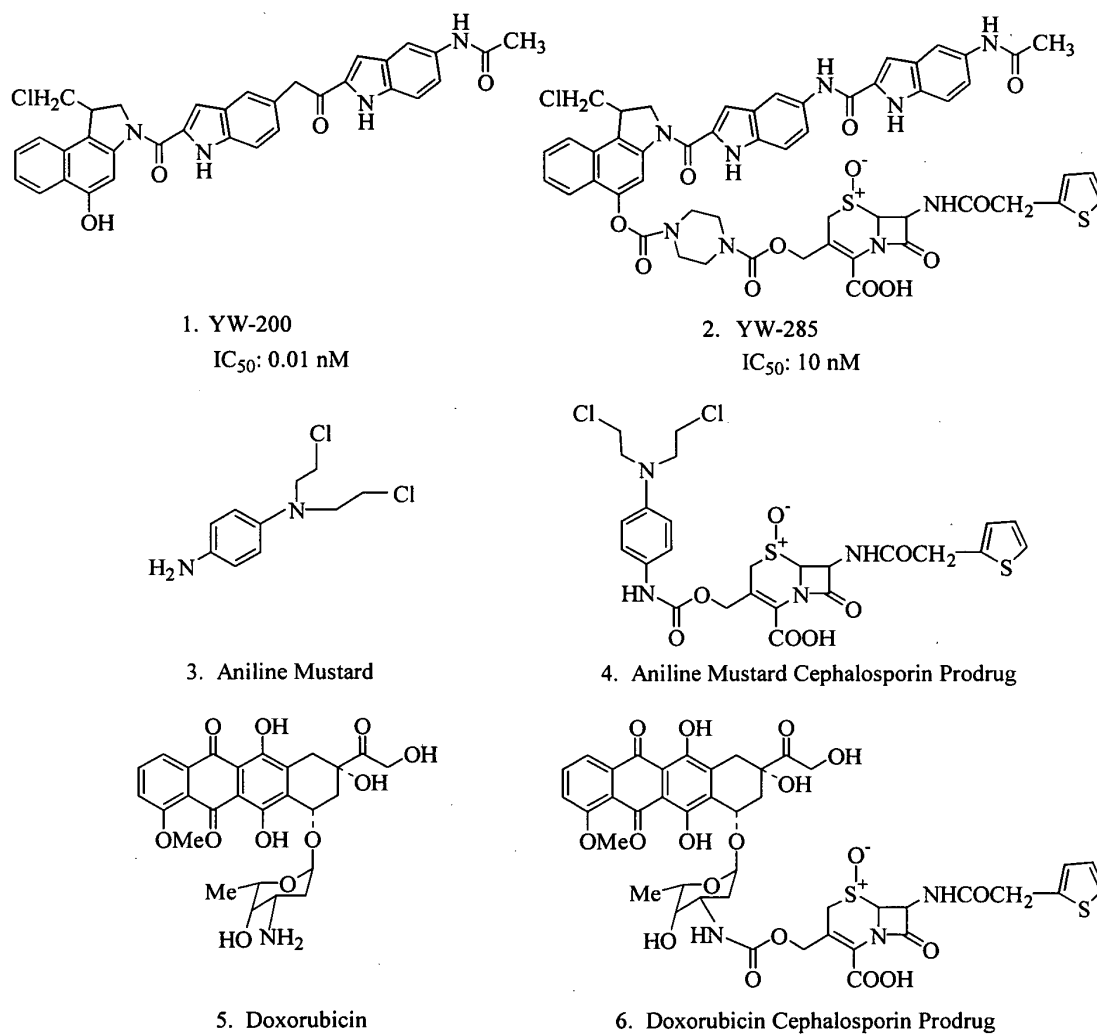
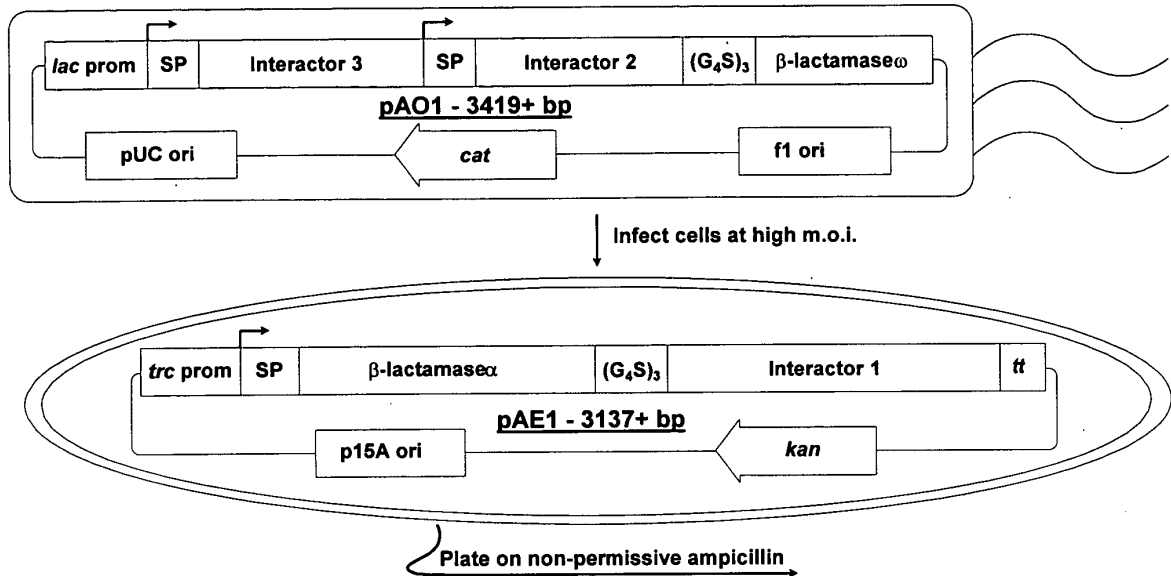


Figure 5



	<u>Interactor 1</u>	<u>Interactor 2</u>	<u>Interactor 3</u>
1.	Trxpep	scFv	none
2.	Trxpep	LC-CH1	none
3.	Trxpep	VL	none
4.	Trxpep	CD40	none
5.	Trxpep	Trxpep	CD40
6.	jun helix	scFv	CD40-fos helix
7.	jun helix	fos helix	none
8.	jun helix	fos helix	tripep-trx library
9.	ES library	ES library	none

Figure 6

09764163.011501

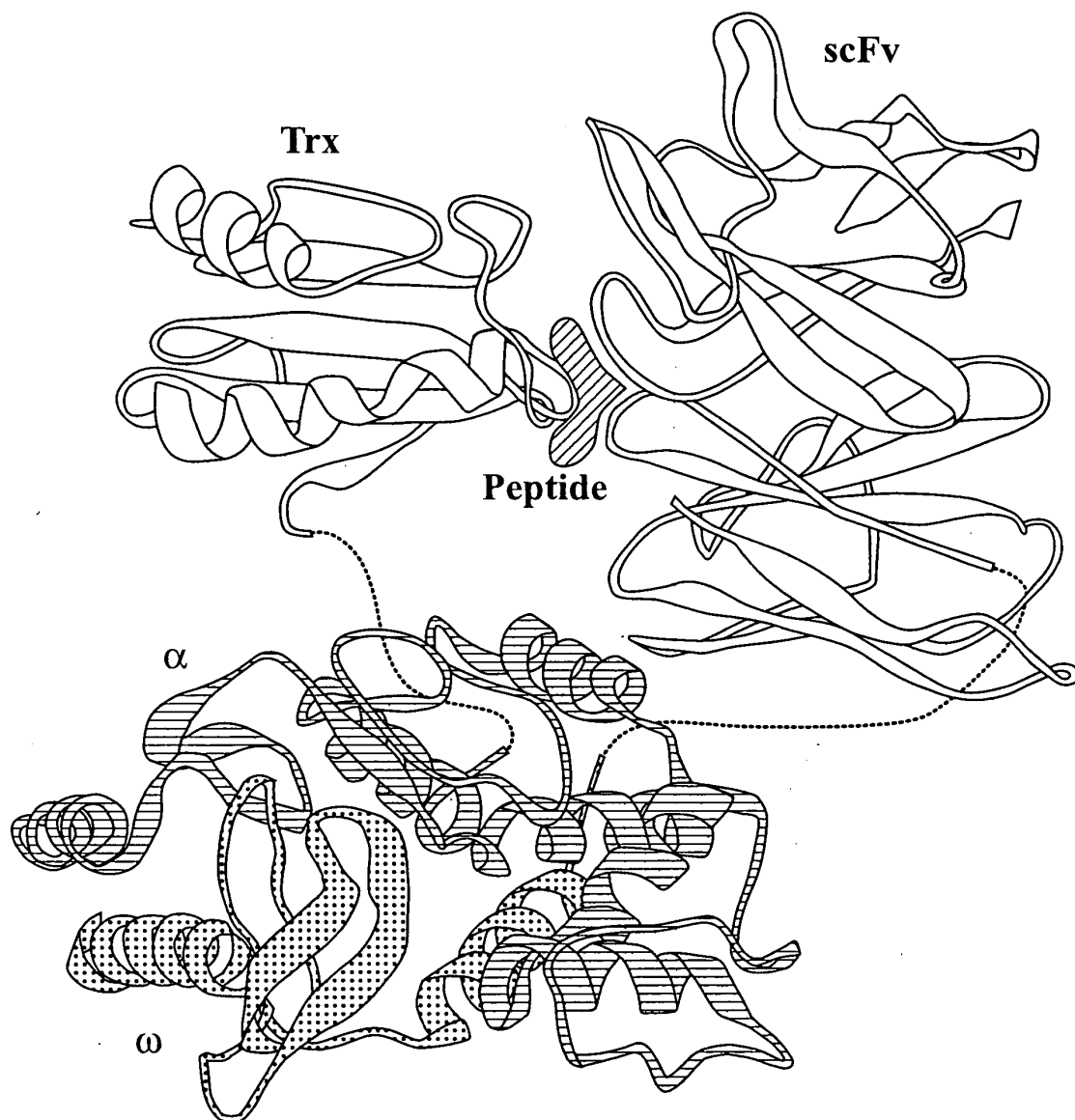


Figure 7

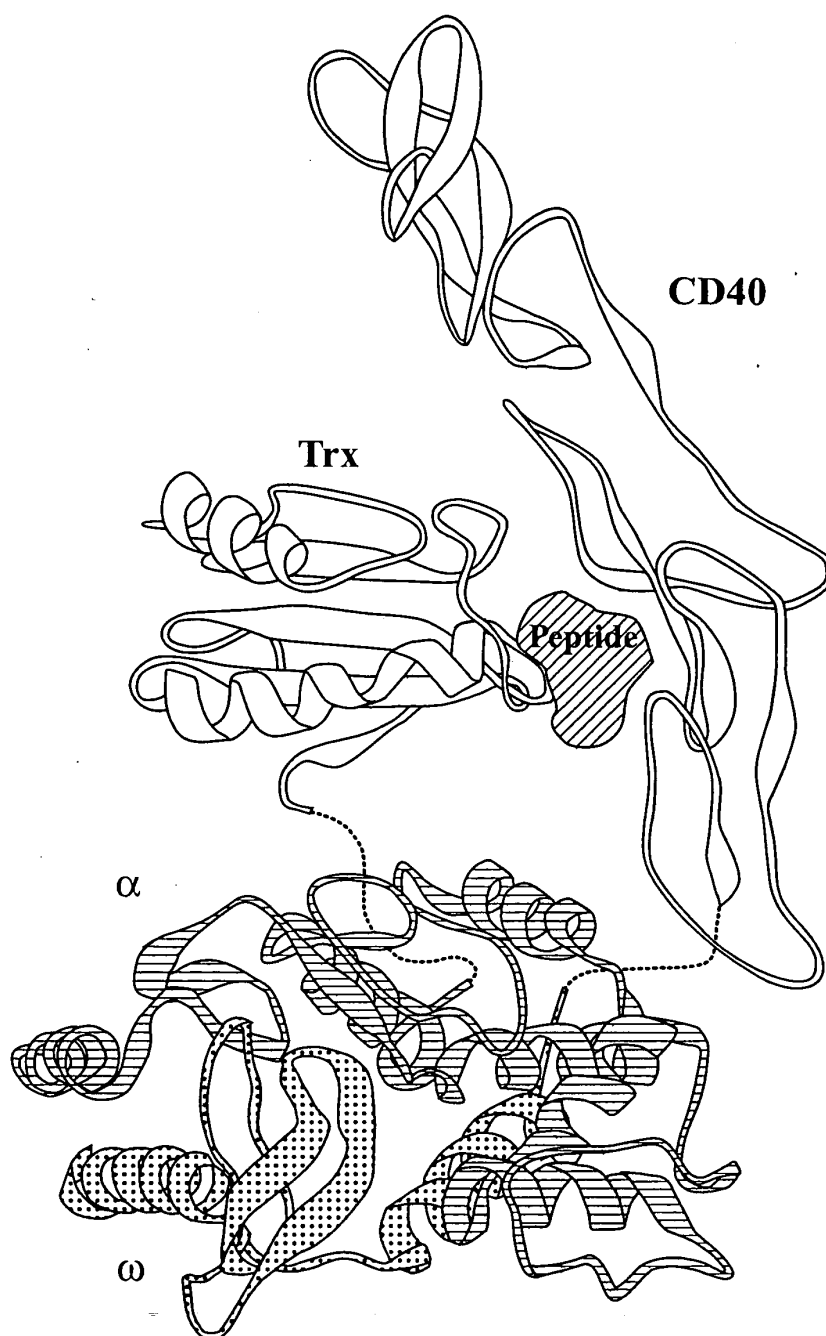


Figure 8

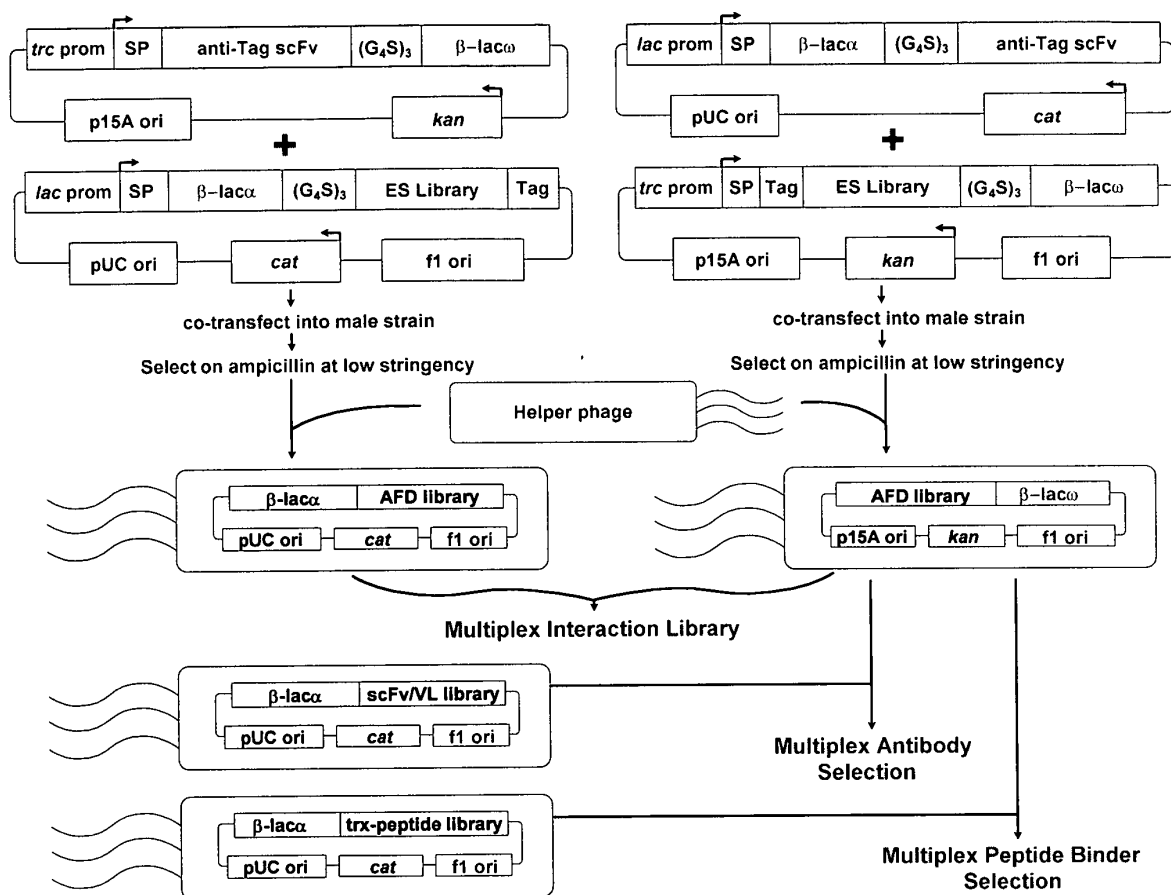


Figure 9

11/13

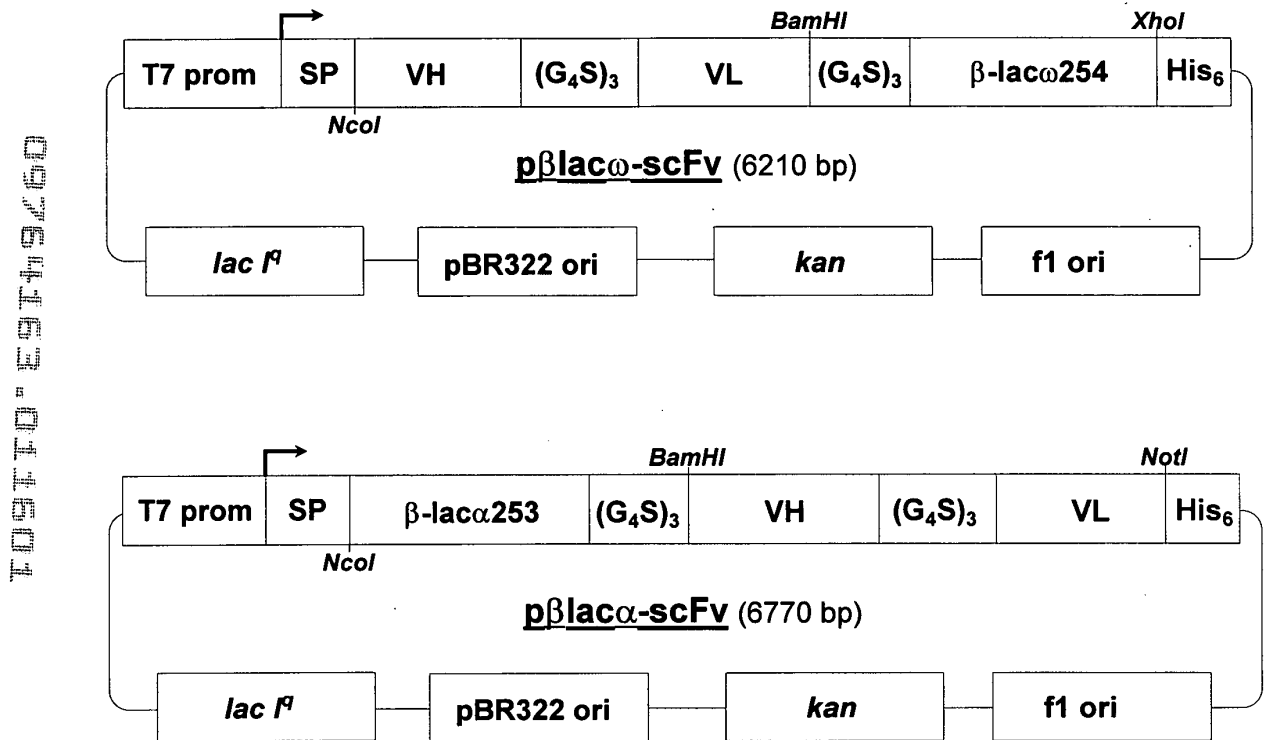
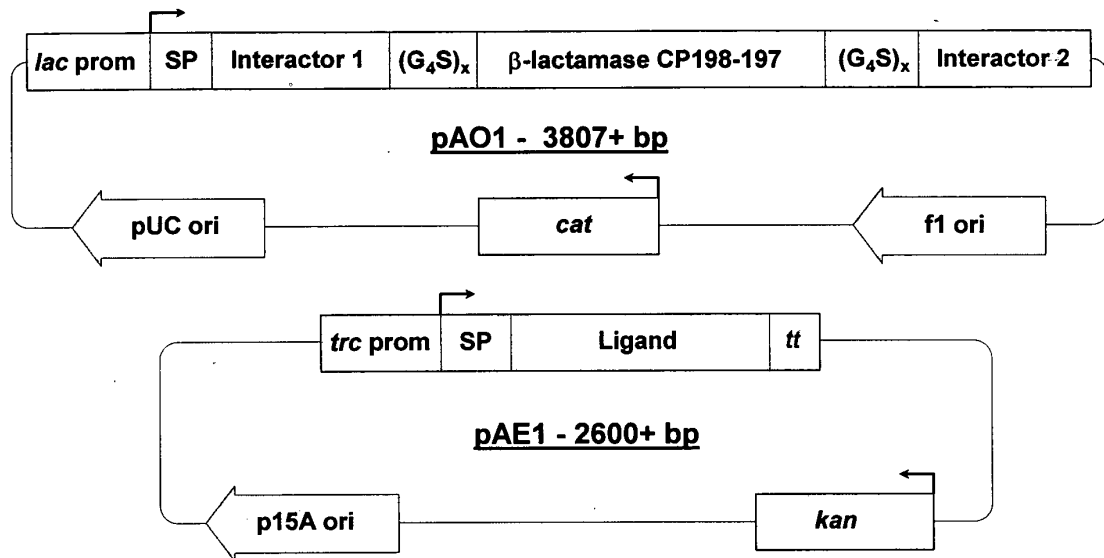


Figure 10

12/13

09764163-011601



	<u>Interactor 1</u>	<u>Interactor 2</u>	<u>Ligand</u>	<u>Max. amp^r</u>	<u>S/N (amp25)</u>
1.	scFv	jun helix	CD40-fos helix	50 μ g/ml	>1000
2.	scFv	jun helix	fos helix-CD40	50 μ g/ml	>1000
3.	CD40	jun helix	scFv-fos helix	50 μ g/ml	>1000
4.	fos helix	CD40	scFv-jun helix	100 μ g/ml	>1000

Figure 11

09764163-011601

```

      .....1.....2.....3.....4.....5.....6
AA      |MGSAIEQDGLHAGSPAAWVERLFGYDWAQQTIGCSDAAVFRLSAQGRPVLFVKTDLSGAL|
PHD sec |          HHHHHHHH      EEEE      HHHEEE      EEEEE      |
subset: SUB sec |LLL...LLLLLLL.HHHHHHH.LL.....LLLLL.H.....LLL.EEEEE.LLLLL.|
Rel sec  |987133465669894799999815523221257775463342249993789851777773|
access: P_3 acc |eeebbeeeeeeee eeebbeeb eebeeebebbbbbebebebebebebebebebebe|
10st:   PHD acc |9970067777787579700760673600767706000006069796760006067777|

      .....7.....8.....9.....10.....11.....12
AA      |NELQDEAARLSWLATTGVPCAAVLDVVTEAGRDWLLGEVPGQDLLSSHLAPAEKVSIMA|
PHD sec | HHHHHHHHHHHHHH      HHHHHHH      EEEEE      HHHHHHHHHH |
subset: SUB sec |.HHHHHHHHHHHHHLLLLL.....E.....LLLLL...LL.HHHHHHHHHH|
Rel sec  |327799999999996599872322332122322354310278765424553599999999|
access: P_3 acc |eebeeebe bbbbeeebebbbebbbebebebebebebebebebebebebebebebebe|
10st:   PHD acc |77077606500000777060060600677760000070060770777577777006000|

      .....13.....14.....15.....16.....17.....18
AA      |DAMRRLHTLDPATCPFDHQAKHRIERARTMEAGLVDQDDLDEEHQGLAPAEFLARLKAR|
PHD sec |HHHHHH      HHHHHHHHHHHHHH      HHH      HHHHHHHHHH |
subset: SUB sec |HHHHHH.LLLL.LLLL...HHHHHHHHHHH.LLLLLL...LLLLHHHHHHHHHHH.|
Rel sec  |999998388664688873328999999999971555588742213686789999999961|
access: P_3 acc |ebbbebbebebebebebebebebebebebebebebebebebebebebebebebebebe|
10st:   PHD acc |70006007060770007770776077067607700050760776777607600760777|

      .....19.....20.....21.....22.....23.....24
AA      |MPDGEDLVVTHGDACLPNIMVENGRFSGFIDCGRLGVADRYQDIALATRDIAEELGGEWA|
PHD sec |      EEEE      EEE      EEEEE      HHHHHHHHHHHHHHHHHHHH      HHHH|
subset: SUB sec |LLLLLLEEEE.LLLLLL..E..LL.EEEEE.....HHHHHHHHHHHHHHHHH.L.HHH|
Rel sec  |89899668862678866315318835788814311234478999999999975284999|
access: P_3 acc |eeeeebbbbbbbebbbbebebebebebebebebebebebebebebebebebebebebe|
10st:   PHD acc |67777700000060000000067060000000400000500000000660677077736|

      .....25.....26.....27.....28.....29.....30
AA      |DRFLVLYGIAAPDSQRIAFYRLLEFF|
PHD sec |HHHHHHH      HHHHHHHHHHHH      |
subset: SUB sec |HHHHHHH.LLLLL..HHHHHHHHH.LL|
Rel sec  |999999737998834667579998359|
access: P_3 acc |e bbeebbbe eebebebbbbbbebb|
10st:   PHD acc |750066000765777606000006600|

```

Figure 12